

PAARA

Graphs

APRIL 1991



**IMPORTANT!**  
**QST QST QST**  
**ELECTRONICS MUSEUM**  
**INFORMATIONAL GUEST**  
**SPEAKER**  
**DON KOIJANE**  
**AT THE APRIL 5TH**  
**MEETING!**  
**DON'T MISS IT !**

THE OFFICIAL NEWSLETTER  
OF THE PALO ALTO AMATEUR  
RADIO ASSOCIATION  
AND

THE MENLO PARK C.D. AMATEUR RADIO CLUB

# PAARA



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Club Historian	.....	.....	.....

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## PAARA POLICIES

Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAgaphs. Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026

Club Net 147.45 MHz Mondays 8:30 PM

Meet at 7:30 PM on the first friday of each month at the Menlo Park Recreation Center.

Send PAARAgaphs correspondence to:

Chuck Johnson N6VFH, EDITOR  
3309 Mt. Logan Drive  
San Jose, CA 95127

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APRIL 1991

## FROM THE EDITOR'S DESK

THE COVER INDICATES THE FOCUS THAT PART OF OUR APRIL MEETING WILL HAVE ON THE ELECTRONICS MUSEUM SITUATION. THIS IS ONE OF MANY THINGS TO THINK ABOUT NOW! IN ADDITION, WE HAVE THE W6VG PICNIC ON MAY 18, THE PAARA/FOOTHILL FLEA MARKET ON JUNE 8, AND OF COURSE FIELD DAY ON 22-23 JUNE. PLAN TO DO YOUR PART TO ATTEND AND HELP WITH THE CLUB ACTIVITIES, AND YOU WILL MAKE THEM BETTER WITH YOUR PARTICIPATION. TIL NEXT MONTH, 73 DE YOUR EDITOR.

## SPEAKER OF THE MONTH

### BILL AA6PA

OUR VHF DX HUNTING HILL-CLIMBING AA6PA, BILL RAUSCH, BACK DOWN OFF THE HILLS, HAS BEEN GOOFING AROUND WITH A WEFAX (WEATHER SATELLITE) HARDWARE/SOFTWARE PACKAGE AND HE'LL BE GIVING US A BIG "SHOW-AND-TELL".....

DINNER WITH SPEAKER, SU HONG'S, EL CAMINO OFF RAVENSWOOD MENLO PARK, AT 5:45PM ON MEETING FRIDAY APRIL 5.

XXXX DE ANDY VE3FZK, PAARA PROGRAM CHAIRMAN.

"GET WELL ROSA"

73 DE PAARA !

# **PRESIDENT'S CORNER DE GERRY WA6LNV**



(Stop the Presses - DATELINE AMERICA 3-30-91)

MIRACLE OF MIRACLES! THE EDITOR IS AS FAR BEHIND THE POWER CURVE AS YOURS TRULY. I GOT BACK FROM A WEEK IN SCOTT! AND LAST NIGHT AND NOW DISCOVER I STILL HAVE TIME TO SQUEEZE IN MY MISSIVE. 10 DAYS BEFORE I HAD RETURNED FROM TOKYO WITH MY NEW ARAKI YA-23L 2 METER COLLAPSIBLE YAGI IN MY LUGGAGE. I HAD BEEN INSPIRED TO LOOK FOR ONE BY A66PA'S MOUNTAINTOP EXPEDITION TALK A COUPLE OF MONTHS AGO. IT'S A VERY CLEVER LITTLE UNIT AND NICELY MADE. IT ADVERTISES A GAIN OF 6 DBI AND IN TESTS WITH ANDY VE3FZK AND GILL KJ6TF AGAINST MY RUBBER DUCK IT SEEMS TO BE WORTH ABOUT 3 S-UNITS. TOKYO YIELDED ANOTHER LITTLE TOY, A COMET SWR/POWER METER FOR 144 AND 440 MHZ. THIS IS A LITTLE HOLD-IN-YOUR-HAND GADGET THAT GAVE ME A PERFECT MATCH INTO A 50 OHM LOAD AND AN ADJUSTED VSWR OF ABOUT 1.3 ON MY NEW ANTENNA. IT HAS A CORRECTION FACTOR PLOT ON THE BACK, WHICH PROVIDES A READING ADJUSTMENT DEPENDING ON THE 50 OR 60 WATT SCALE USED. UNFORTUNATELY MY 1 WATT HANDHELD DIDN'T QUITE MAKE IT TO THE STARTING POINT ON THE SCALE AT 5 WATTS. I'M ANXIOUS TO COMPARE A 440 MHZ APPLICATION AGAINST A PRICEY BIRD, BUT WITH MY 4AT I GAVE A PERFECT MATCH INTO A DUMMY LOAD AND .9 WATTS OUTPUT. INCIDENTALLY, SINCE WE ARE LEAPING INTO APRIL, THE MAY PICNIC AT W6VG'S QTH CAN'T BE FAR AHEAD. ONE PURPOSE OF THIS GET TOGETHER IS TO SHOW OFF OUR NEW RADIO TOYS SO KEEP THIS IN MIND. PERHAM FOUNDATION'S DON KOIJANE WILL MAKE AN IMPASSIONED PLEA AT THE FRIDAY MEETING FOR ARTIFACT PACKERS AND CATALOGERS. ANYONE WANTING TO ASSIST IN THE MUSEUM'S NEW ERA POST FOOTHILL CAN GET IN TOUCH WITH DON AT THE MUSEUM AT (415) 949-7383.

-DE WA6LNV-

# WELCOME NEW MEMBERS!



WELCOME NEW MEMBERS  
QST DE PAARA VIA N6PGM

On behalf of the entire club  
I'd like to welcome the following  
New Members. -De Lily N6PGM

BILL GRINGAS KB6YHL

STEVE WOOD KI6TZ

FELIX GONTE N6POH

# WELCOME NEW MEMBERS!

# UK - US BUZZWORD LIST DE GERRY WA6LNV

The lists are given below as an aid to the American reader of the Amateur Radio Circuits Book. (UK usage on the left, US on the right.) Both the semiconductors and the vacuum tubes are plug-in equivalents.

## VACUUM TUBES

EB 91 = 6AL5  
 ECC81 = 12AT7  
 ECC82 = 12AU7  
 ECC83 = 12AX7  
 ECC85 = 6AQ8  
 ECC88 = 6DJ8  
 ECH81 = 6AJ8  
 ECLR2 = 6BM8  
 EF80 = 6BX6  
 EF85 = 6BY7  
 EF86 = 6Z67  
 EF89 = 6DA6  
 EF91 = 6AM6  
 EF94 = 6AU6  
 EF183 = 6EH7

## VOCABULARY

Break = Trap  
 Concentric trimmer = Piston capacitor  
 Durofix = Q-dope  
 Dust core = Ferrite core or tuning slug  
 Earth = Ground  
 Fault finding = Trouble shooting  
 Former = Coil form  
 Frequency changer = Mixer  
 FSD = Full-scale deflection  
 High-slope = Remote-cutoff  
 HT = High tension or B+  
 LT = Low tension or filament  
 Perspex = Similar to plexiglass  
 Rail = Line (e.g., HV rail = HV line)  
 Screen = Shield

## SEMICONDUCTORS

AF139 = HEP3, TR-18  
 OC28 = 2N1666, HEP230  
 OC35 = 2N1668, HEP230  
 OC42 = HEP3  
 OC44 = HEP254, SK3005, TR-06  
 OC45 = HEP254, SK3005, TR-06  
 OC70 = HEP3, SK3003, TR-05  
 OC71 = HEP3, SK3004, TR-05  
 OC72 = HEP254, SK3003, TR-105  
 OC76 = 2N2706, HEP254  
 OC81 = HEP254  
 OC84 = HEP3  
 OC170 = 2N3783, 2N3784, HEP3  
 OC171 = HEP3, SK3006

EL84 = 6BD5  
EL91 = 6AM5  
EM81 = 6DA5  
EY81 = 6R3  
EZ90 = 6X4  
KT-66 = 6L6GC  
KT-88 = 6550  
R12 = 6X2  
Z77 = 6AM6

Stabilised = Regulated  
Valve = Vacuum tube  
VC = Variable capacitor  
VR = Variable resistor or potentiometer  
Wafer switch = Rotary switch

DATA FROM:  
COMMUNICATIONS TECHNOLOGY, INC.  
GREENVILLE, N.H. 03048.]



## PAARA VE TEAM QST DE JT WA6BXT

The PAARA sponsored VE (volunteer examiner) team administered 61 elements novice through extra, to 33 people at the March session.

The PAARA members who participated on the March team were Dudley, WB6WAU (team leader); Gil, KJ6TF; Joe, KB6OWG; Ron, W6VG; Joan, WA6BXT; Bill, WB6UVO; and Mike, AA6NH.

If you have an advanced or extra class license and would like to join the team, you would be most welcome. This is an enjoyable way to give something back to the hobby. To become a part of the team simply contact Dudley at (408) 245-4801, or leave him a message on packet @ KA6JLT BBS.

Our next VE session will be on Sat., April 20, at the Ampex cafeteria in Redwood City. Testing begins at 11 am.

# **RADIOS THAT GLOW-IN-THE-DARK TNX ES 73 TO BARD KD6QZ !**

**One of our members,  
Bard Battelle KD6QZ,  
donated a Heath HW101  
power supply and microphone  
together with some old WWII  
radio gear. These treasures  
were taken to the March Flea  
Market and the Heath gear  
was sold for \$100.00 and the  
rest was given away. We need  
more such examples as Bard,  
and if you have something  
you would like to donate, pse  
contact Gerry WA6LNV to  
arrange things. 73 de PAARA**

**ROSTER APPEARING  
IN NEXT MONTH'S ISSUE  
MEMBERS ONLY**



# READING LIST DE N6VFH

## In the chips---

There is often a need for a ready reference to determine the type of IC that is needed for a given application. Those who are applications oriented/tinkerers often need a source of data on a given device. The road is often blocked when the appropriate "specs" aren't available. This problem has been remedied in a great way by the INTERNATIONAL ENCYCLOPEDIA OF INTEGRATED CIRCUITS by Stan Gibilisco (TAB #3100). This mammoth tome is a great boon to anyone desiring a ready reference to the wide world of chips. This volume is an excellent compilation of the kind of data that is so necessary but oftentimes elusive.

## GUARANTEED DOS---

An excellent and truly helpful introduction to DOS is available in LEARN DOS - GUARANTEED ! by Richard P. Cadway (TAB #3331). This is the one that comes with a "money back guarantee" and your editor was unable to collect as indeed we did learn some DOS.

## COMPUTER TECHNOLOGY IN DEPTH---

THE COMPUTER TECHNICIAN'S HANDBOOK by Art Margolis (TAB #3279) affords an inside look into the latest generation computers, providing the serious technical person with ample data on the fascinating new technology of computers.

## ILLUSTRATED COMPUTER DICTIONARY---

THE ILLUSTRATED DICTIONARY OF MICROCOMPUTERS by Michael F. Hordesk (TAB #3368), affords word and picture information on the latest generation of PC terminology for ready reference, and is a welcome addition to the literature of computers which has a tendency to go stale in a flash.

\*\*\*These titles are available through your local computer-electronics bookseller or direct from TAB Books Inc., Blue Ridge Summit, PA 17294-0850. \*\*\* -ED.

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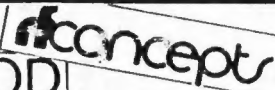
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## MUSEUM-GRAH

# ELECTRONICS MUSEUM

## WANTS YOU!

VOLUNTEERS WILL BE NEEDED TO ASSIST  
IN THE NEW ERA OF THE ELECTRONICS MUSEUM.

## DON KOJANE

OF THE PERHAM FOUNDATION WILL BE AT  
THE APRIL 5TH MEETING  
TO GIVE THE LATEST NEWS AND PLANS  
FOR THE FUTURE.  
AGAIN THURS.

## FRIDAY APRIL 5TH!

## BE THERE!

-VIA MAELNV-



Andy Korsak VE3FZK 91  
504 Lakemead Way  
Redwood City CA 94062

# First Class Mail